BR-429/3/12-14

M. A. R. 57 (Rule 116)

RA Bill No 2nd & Final Measurement Book

No. B 256630

Name of Work Revised Estimate for Improvements at road From Ivoneous at road To and drain nearby providence Lay out arrangement at Kodigehally in ward no. 8

Name of Contractor or nature of Agency Sri N.M. Shivakumar contractor R/o Bangalore

Date of commencement of work Work order No. E.E./B-T.P./BBMP/E-TND/103/2014-15, 29-9-14

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
① Earthwork excn by manual means in hard soil involving an average longitudinal throw upto 2 mtr and an average lift upto 0.50 mt - for Road work	1	30.00	$\frac{5.2+5.0}{2}$	0.20	30.60 cum	
	1	30.00	$\frac{5.0+5.1}{2}$	0.20	30.60	
	1	30.00	$\frac{5.2+4.9}{2}$	0.20	30.30	
	1	30.00	$\frac{4.90}{2}$	0.20	29.46	
	1	15.20	$\frac{4.9+5.2}{2}$	0.20	15.35	
	1	25.20	$\frac{5.2+5.0}{2}$	0.20	25.70	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert	1	5.80	2.00	1.20	13.92 Cum	
	BS Slab Drain	1	5.40	2.00	1.20	12.96	
		2	30.00	0.60	0.60	21.60	
		2	30.00	0.60	0.60	21.60	
		2	30.00	0.60	0.60	21.60	
		2	30.00	0.60	0.60	21.60	
		2	15.20	0.60	0.60	10.94	
		2	30.00	0.60	0.60	21.60	
		2	30.00	0.60	0.60	21.60	
		2	5.90	0.60	0.60	4.25	
					Total	339.87 Cum	
						327.60 Cum	
						CM90.org/	Rs 27439.20

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256631

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
providing granite slabs of selected quality roughly dressed and laid in cement mortar 1:6 etc complete.						
DS Slab drain	2	30.00	-	1.65	99.00 sqm	
	2	30.30	-	1.65	99.99	
	2	30.4	-	1.65	99.44	
	2	30.0	-	1.65	99.00	
	2	15.20	-	1.65	50.16	
	2	30.00	-	1.65	99.00	
	2	30.00	-	1.65	99.00	
	2	5.90	-	1.65	19.47	
					664.62 sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				660.00 Sqm		Rs 350.00 / Sqm	Rs 231,000.00
Item no (3)	providing and laying in position plain cement concrete of ord < Mg. 80 with ope cement @ 180 kgs using 40mm ~ down size - for Culvert	1	5.80	2.60	0.15	1.74 Cum	
		1	5.40	2.00	0.15	1.62	
						3.36 Cum	
Item no (4)	providing and constructing gauged stone / basalt Size Rave masonry in Superstructure with Cement mortar 1:6. Culvert					3.30 Cum	
						Rs 4300/=	Rs 14190.00
		2	5.80	0.60	0.90	6.26 Cum	
		2	5.40	0.60	0.90	5.83	
						12.16 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256632

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					11.88	Cum @ Rs 4341.00	
	Wkg. abo. (5) providing rules pointing to Coursed Stone masonry with Cement mortar 1:3 2 coats- deep etc Culvert	2	5.88	-	0.90	10.58 Sqm	Rs 51,571.00
		2	5.40	-	0.90	9.72	
						20.16 Sqm	
	Wkg. abo (6) providing and laying in position plain Cement Concrete of mix M15 with Cement @ 240 kgs with 20mm & down size					19.80 Sqm @ Rs 76.00/Sqm	Rs 1505.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert coping	1	5.80	1.80	0.10	1.04 cum	
		1	5.40	1.80	0.10	0.97 "	
						2.01 "	
						1.31 "	
	Item alo ④ providing and placing Centering Shuttering @ Rs. 4650.00 per cum for coping etc and removal of form work.						Rs 6191.00
	Covering Slab bottom.	1	5.80	0.60	-	3.48 Sqm	
		1	5.40	0.60	-	3.24 "	
	Covering Slab Side	2	5.80	-	0.25	2.90 "	
		2	5.40	-	0.25	2.70 "	
		4	1.80	-	0.25	1.80 "	
						14.13 Sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256633

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Reference to last Measurement 8	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
2,6191.00	from slo (B) providing MS Steel reinforcement for RCC work including bar bending, cutting, bending & hooking as per - measurement recorded vide MB Pulo - 256693 ie 3.6 cwt @ Rs 7450/cwt			13.90 Kgs @ Rs 275.00/		Rs 3823.00 Rs 27,118.00	
	from slo (C) providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs per cum using 20 mm & down size graded granite metal.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for deck Rd	1	5.80	1.80	0.23	2.40 Cum	
		1	5.40	1.80	0.23	2.24 "	
						4.64	
						4.55 Cum	
	Clean do. for providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification. for Road work					CM 5640.00 By 25662.50	
		1	30.00	5.2+5.0/2	0.15	22.95 Cum	
		1	30.00	5.0+5.3/2	0.15	23.79 "	
		1	30.00	5.2+4.9/2	0.15	22.73 "	
		1	30.00	4.9+4.9/2	0.15	11.51 "	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256634

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1	15.20	$\frac{4.9+5.2}{2}$	0.15	19.28 Cum	
				Total	122.31 Cum	
					120.00 Cum	
M.B. No. 10. (11) clearing the existing WBM road surface including removing the binding material from road work					@ Rs 1128.00 / Cum	Rs 135360.00
	1	30.00	$\frac{5.2+5.0}{2}$	-	153.00 Sqm	
	1	30.80	$\frac{5.0+5.3}{2}$	-	158.62 Sqm	
	1	30.00	$\frac{5.2+4.9}{2}$	-	151.50 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{6.4+4.4}{2}$	-	147.00 Sqm	
		1	15.20	$\frac{6.4+5.2}{2}$	-	76-76 c	
		1	25.20	$\frac{5.2+5.0}{2}$	-	128.52	
						815.40 Sqm	
						800.00 Sqm	
	Item no. (12) providing and applying polymer coat to a mixture of 12.20 to 14.60 kg per 10 Sqm to the surface of Light Porosity - as per wide Item no. (11) i.e 800.00 Sqm					@ Rs 11.00/Sqm	Rs 8800.00
	Item no. (13) providing and laying seamless cast in-situ monolithic wall low 12 cl/A Grade type-II mix producing an average output					@ Rs 130.00/Sqm	Rs 104000.00
		1	30.00	$\frac{5.2+5.0}{2}$	0.025	3.83 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256635

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
		1	20.80	$\frac{5.0+5.3}{2}$	0.025	3.97 Cum	
		1	30.00	$\frac{5.2+4.9}{2}$	0.025	3.97 "	
		1	30.00	4.90	0.025	3.68 "	
		1	15.20	$\frac{4.9+5.2}{2}$	0.025	1.92 "	
		1	25.20	$\frac{5.2+5.0}{2}$	0.025	3.21 "	
					Total	20.39 Cum.	
						20.00 Cum	
						Cum 10000.00/Cum Rs 200000.00	

CLFC.

21/11/2014

S.O. (Wages)

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item no (14)	Road marking with hot applied thermoplastic Compound with reflective glass beads on bituminous surface.						
		2	30.00	0.10	-	6.00 Sqm	
		2	30.80	0.10	-	6.16 "	
		2	30.00	0.10	-	6.00 "	
		2	30.00	0.10	-	6.00 "	
		2	15.20	0.10	-	3.04 "	
		1	25.20	0.10	-	5.04 "	
						32.24 Sqm	
	Certified that the work done as per above measurements					32.00 Sqm	
	Extra/Less/Substitute/Item					@ Rs/Sqm	Rs 152.00.00
	are Nil					∴ Rs/Sqm	Rs 8,53,859.00
	ಪಡೆಯಲಾಗಿದೆ ಎಂದು ಪ್ರಮಾಣೀಕರಿಸಿದೆ						
	ಕೊಡಬೇಕಾದ ಉಪವಿಭಾಗ						

M. A. R. 57 (Rule 116)
Measurement Book

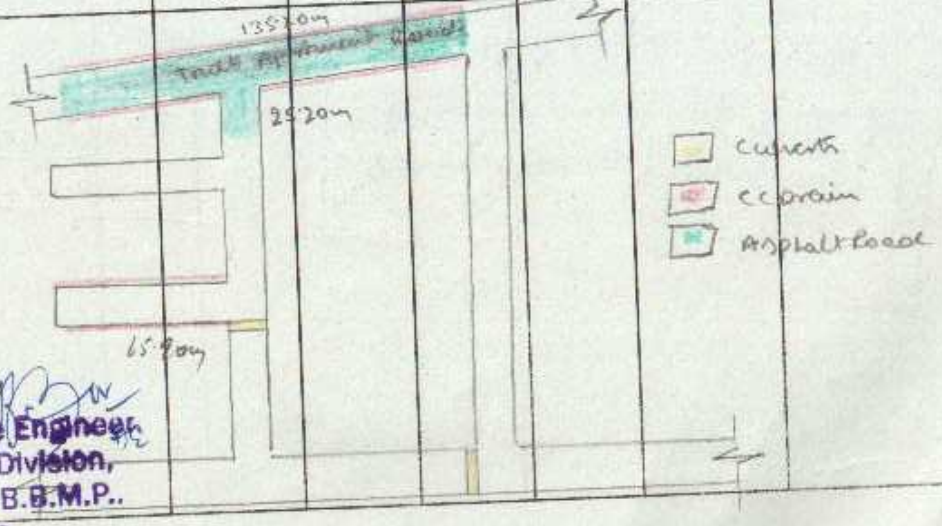
No. B 256636

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Reference to last Measurement
8

15200.00
23,859.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	853850=00			15 —	8539 —		
	108982=00			145 —	3415 —		
				752 —	46982 —		
	2nd 868=00			Ture —	8539 —		
				Cof —	854 —		
				Roy —	9934 —		
					108982=00		